

ITPR1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ITPR1.

Catalog # AT2575a

Specification

ITPR1 Antibody (monoclonal) (M01) - Product Information

Application	E
Primary Accession	O14643
Other Accession	NM_002222
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	313929

ITPR1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 3708

Other Names

Inositol 1, 5-trisphosphate receptor type 1, IP3 receptor isoform 1, IP3R 1, InsP3R1, Type 1 inositol 1, 5-trisphosphate receptor, Type 1 InsP3 receptor, ITPR1, INSP3R1

Target/Specificity

ITPR1 (NP_002213, 2470 a.a. ~ 2577 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ITPR1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ITPR1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

ITPR1 Antibody (monoclonal) (M01) - Images

ITPR1 Antibody (monoclonal) (M01) - Background

This gene encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Mutations in this gene cause spinocerebellar ataxia type 15, a disease associated with an heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene.

ITPR1 Antibody (monoclonal) (M01) - References

1. Microdomains of muscarinic acetylcholine and InsP3 receptors create InsP3 junctions and sites of Ca²⁺ wave initiation in smooth muscle. Olson ML, Sandison ME, Chalmers S, McCarron JG. *J Cell Sci.* 2012 Sep 3.